

METHODS AND APPARATUS FOR ARTIFACT
REDUCTION IN COMPUTED TOMOGRAPHY
IMAGING SYSTEMS

ABSTRACT OF THE DISCLOSURE

Some configurations of the present invention provide a method for reconstructing an image of an object of a computed tomographic imaging system having a detector array and a radiation source, wherein an arc of the detector array is not concentric to a focal spot of the radiation source. The method includes scanning the object with the computed tomographic imaging system to obtain a fan beam dataset, rebinning the fan beam dataset into a set of parallel datasets; and reconstructing an image utilizing the set of parallel datasets.